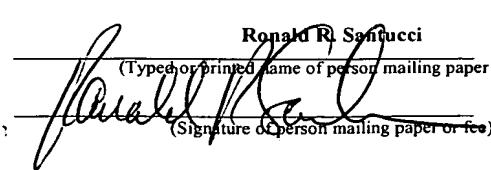
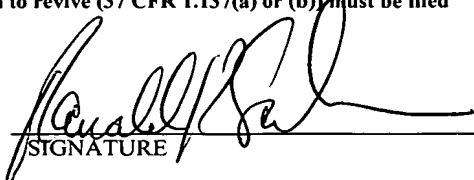


FORM PTO-1390 (REV. 1-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 930086-2024	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371				10/572707 <small>U.S. APPLICATION NO. (if known see 37 C.F.R. 1.5)</small>	
INTERNATIONAL APPLICATION NO. PCT/KR2004/002174		INTERNATIONAL FILING DATE 30 August 2004 (30.08.2004)		PRIORITY DATE CLAIMED 20 September 2003 (20.09.2003)	
TITLE OF INVENTION METHODS		CATALYST FOR DIMETHYL ETHER SYNTHESIS AND ITS PREPARATION			
APPLICANT(S) FOR DO/EO/US Ki-Won JUN, Hyun-Seog ROH, Jae-Woo KIM, Jeon Keun OH, Jin Hwan BANG					
Applicants herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as published by WIPO, along with the International Search Report <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau): b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 					
Items 11 to 20 below concern document(s) or information included:					
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <u>(INCLUDING FORM 1449 AND COPIES OF CITED REFERENCES)</u> 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. <u>EXPRESS MAIL</u> 14. <input type="checkbox"/> An Application Datasheet under 37 CFR 1.76. Mailing Label Number: <u>EV746681278US</u> 15. <input type="checkbox"/> A substitute specification. Date of Deposit: <u>March 17, 2006</u> 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <div style="margin-top: 10px;"> Three (3) Recordings of a Change; International Search Report; Written Opinion of the International Searching Authority; International Preliminary Examination Report; Informal Comments made by Applicants in response to Written Opinion of the ISR; check for \$1140 </div> 					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>I hereby certify that this paper or fee is being deposited with the United States Postal Service</p> <p>"Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <div style="text-align: center;"> <p>Ronald R. Santucci</p> <p>(Typed or printed name of person mailing paper or fee)</p>  <p>(Signature of person mailing paper or fee)</p> </div> </div> <div style="width: 50%; text-align: right;"> <p>EXPRESS MAIL</p> <p>Mailing Label Number: EV746681278US</p> <p>Date of Deposit: March 17, 2006</p> </div> </div>					

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/372707		INTERNATIONAL APPLICATION NO. PCT/KR2004/002174		ATTORNEY'S DOCKET NO. 930086-2024	
The following fees are submitted:					
21. <input checked="" type="checkbox"/> Basic national fee.....		\$300.00		\$300.00	
22. <input checked="" type="checkbox"/> Examination fee					
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100.00					
All other situations.....		\$200.00		\$200.00	
23. <input checked="" type="checkbox"/> Search fee					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100.00					
International Search Report prepared and provided to the Office.....		\$400.00		\$400.00	
All other situations.....		\$500.00			
TOTAL OF 21, 22 and 23=				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
19- 100=	0/50=		x \$250.00	\$0	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	17 - 20=	0	x \$50.00	\$0	
Independent claims	4 - 3=	1	x \$200.00	\$200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$0	
TOTAL OF ABOVE CALCULATIONS =				\$1100.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$1100.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$0	
TOTAL NATIONAL FEE =				\$1100.00	
Fee for recording the enclosed assignments (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$40.00	
TOTAL FEES ENCLOSED =				\$1140.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$1140 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0320</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Ronald R. Santucci Frommer Lawrence & Haug LLP 745 Fifth Avenue New York, New York 10151 March 17, 2006					
				 SIGNATURE	
				Ronald R. Santucci NAME	
				28,988 REGISTRATION NUMBER	